International application No.

A. C	CLASSIFICATION OF SUBJECT MATTER					
Int. Cl. 7: G	G01N 33/58, 33/566, 33/577, C07K 17/14, C12Q 1/68, 1/70					
According to In	nternational Patent Classification (IPC) or to b	ooth na	ational classification and IPC			
B. F	TELDS SEARCHED		,			
Minimum docum	nentation searched (classification system followed	by clas	sification symbols)			
Documentation s	earched other than minimum documentation to the	e exten	t that such documents are included in the fields search	ed		
Electronic data b STN: MEDL mannose	ase consulted during the international search (namine). INE, BIOSIS, WPIDS, Chem Abs; keywo	ne of da ords b	ata base and, where practicable, search terms used) based on monoclonal antibody, colloidal gold	d, detect,		
C. I	OOCUMENTS CONSIDERED TO BE RELEVAN	T				
Category*	Category* Citation of document, with indication, where appropriate, of the relevant passages					
			ber 2000 (& Derwent Abstract Accession			
\mathbf{x}	No. 2000-595496/57, Class B04 D16, EP 1035414 A2) See especially the claims, examples and Fig. 1					
	• •					
	surface-immobilized antigen"; Journal of	y amir of Imn	nity on the isotherm of antibody binding to nunological Methods, 115 (1988) 71-78			
x						
	MOORE N et al: "Development of a Par					
	Diseases"; Abstracts of the General Med					
x	Microbiology, (May 2003), Vol. 103, pp C-356 X See abstract					
X Fu	orther documents are listed in the continu	ation	of Box C X See patent family anne	ex		
* Special ca	ategories of cited documents:					
	defining the general state of the art which is "T" dered to be of particular relevance	con	r document published after the international filing date or pr flict with the application but cited to understand the princip lerlying the invention	iority date and not in le or theory		
	plication or patent but published on or after the "X" nal filing date	doc or o	nument of particular relevance; the claimed invention cannot cannot be considered to involve an inventive step when the c	be considered novel document is taken		
	t which may throw doubts on priority claim(s) "Y" is cited to establish the publication date of	alo: doc inv	burnent of particular relevance; the claimed invention cannot olve an inventive step when the document is combined with	be considered to		
another ci	itation or other special reason (as specified)	suc	h documents, such combination being obvious to a person s	killed in the art		
or other m	neans	" doc	tument member of the same patent family			
but later t	t published prior to the international filing date han the priority date claimed			<u> </u>		
Date of the actual 16 December	al completion of the international search		Date of mailing of the international search report 0	6 JAN 2005		
L	ng address of the ISA/AU		Authorized officer			
AUSTRALIAN	PATENT OFFICE					
PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au			G. D. HEARDER			
Facsimile No. (Telephone No: (02) 6283 2553				

International application No.

Category*	Citation of document, with indication, where appropriate, of the relevant passages Lea P et al: "Advantages of Backscatter Electron Imaging Scanning Electron Microscopy for Intracellular Localization of Cardiac Analytes by Gold Conjugated Antibody"; Scanning (1996) Vol. 18, 259-68 See whole document			
х				
	Paek SH et al: "Development of rapid one-step immunochromatographic assay"; Methods 2000 Sep, 22(1): 53-60	1.65		
X	See whole document	1-65		
x	Haftek M et al: "Immunogold Labeling of Keratin Filaments in Normal Human Epidermal Cells With Two Anti-keratin Monoclonal Antibodies"; The Journal of Histochemistry and Cytochemistry 1986, Vol. 34, No. 5, pp 613-618 See whole document	1-65		
. **	PEI R et al: "Amplification of antigen-antibody interactions based on biotin labeled protein-streptavidin network complex using impedance spectroscopy."; Biosensors &			
X	Bioelectronics 2001, 16: 355-61. See whole document	1-65		
X	WU S J et al: "Comparison of two rapid diagnostic assays for detection of immunoglobulin M antibodies to dengue virus."; Clinical And Diagnostic Laboratory Immunology, (2000 Jan) 7 (1) 106-10 See whole document, especially p 106-107	1-65		
Λ		1-03		
. x	VAUGHN D W et al: "Evaluation of a Rapid Immunochromatographic Test for Diagnosis of Dengue Virus Infection"; Journal of Clinical Microbiology, Jan. 1998, p 234-238 See whole document, especially p 235 (PanBio Dengue Rapid Test)	1-65		
	BASTHOLM L et al: "Simultaneous demonstration of two antigens in ultrathin cryosections by a novel application of an immunogold staining method using primary			
x	antibodies from the same species"; Histochemistry (1987) 87(3):229-231 See whole document	1-65		
	WO 2003/020204 A2 (SYRACUSE BIOANALYTICAL INC & CORNELL RESEARCH FOUNDATION INC) 13 March 2003			
X'	See whole document	1-65		
	PIEPER-FÜRST U et al.: "Detection of subpicomolar concentrations of human matrix metalloproteinase-2 by an optical biosensor"; Analytical Biochemistry (1 September 2004) 332 (1) pp 160-167			
P, X	See whole document ZHOU P et al.: "Nanocolloidal Gold-Based Immunoassay for the Detection of the N-	1-65		
P, X	Methylcarbamate Pesticide Carbofuran"; Journal of Agricultural and Food Chemistry, (14 July 2004), 52 (14), pp 4355-4359 See whole document	1-65		
P, X	WO 2004/014220 A2 (N-DIA INC) 19 February 2004 See whole document	1-65		

International application No.

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to			
		claim No.			
P, X	WO 2003/105899 A1 (NEUROPRO TECHNOLOGIES INC) 24 December 2003 See whole document WO 2003/093793 A2 (TRELLIS BIOSCIENCE INC) 13 November 2003 See whole document				
P, X					
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International application No.

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This internate reasons:	ational search report has not been established in respect of certain claims under Article 17(2)(a) for the following
1.	Claims Nos.:
••	because they relate to subject matter not required to be searched by this Authority, namely:
2. X	Claims Nos.: 1-65 (in part)
	because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
	Due to the broad scope of the claims (ie in particular the scope of the detection marker-analyte binding partner complex), the search was necessarily restricted to the preferred embodiments and the disclosed examples, for which there was descriptive support.
3.	Claims Nos.:
٠. ا	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Interna	ational Searching Authority found multiple inventions in this international application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark or	Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

Information on patent family members

International application No.

PCT/AU2004/001522

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member			
EP	1035414	NONE				
wo	2003/020204	· EP	1423543	US	2003143573	
wo	2004/014220	NONE				
wo	2003/105899	US	2004002168			
wo	2003/093793	US	2004033519			

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX